GSP AGAR BASE

A selective and differential medium for the detection and differentiation of *Pseudomonas* and *Aeromonas* spp.

Dehydrated media	
Code number:	500 g: GSP20500, 5 kg: GSP25000
Colour:	Pinkish
Appearance:	Homogeneous hygroscopic powder
pH before sterilization (25 °C):	7,2 – 7,6

Direction: Suspend **23 g** in 500 ml of distilled water and heat with frequent agitation until the medium boils well. Cool quickly to 50 °C and add aseptically the contents of **one vial of GSP Selective Supplement (GSU80004)** reconstituted with 4 ml of sterile distilled water. Mix well before pouring.

Warning!
The medium is heat sensitive.
No further sterilisation is necessary or desirable.

Prepared media	
Bottled media bases:	100 ml: GSP30100, 500 ml: GSP30500
Plated media:	55 mm: GSP50055, 90 mm: GSP50090
Colour:	Red
pH (25 °C):	7,3 – 7,5

Direction: Supplement the melted bottled media bases according to the direction of the dehydrated media and dispense aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

FORMULA in g/l

Starch soluble	20,00
Sodium glutamate	10,00
Magnesium sulphate	0,50
Phenol red	0,36
Buffers	2,00
Agar	13,10

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled media protected from light at room temperature. Store the plated media protected from light at 2-8 °C. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	**Growth**	Incubation time: 24 h
Aeromonas hydrophila	ATCC 7966	Good, yellow colonies	
Pseudomonas aeruginosa	ATCC 27853	Good, red colonies	
Staphylococcus aureus	ATCC 29213	Inhibited	

References: Kielwen et al. (1969) Arch. f. Lebensmittelhyg. 20: 131.

In vitro diagnostic – for professional use only!